

a transmitter, which in an event of a route deviation, is configured to send a message to a control unit;

wherein the route data represents the route in a form of coordinates and assigned route vectors, and the tolerance data exists as authorized deviation values in a vertical direction of a next route vector, whereby a length of the route vectors and the authorized deviation values for all route vectors can be selected depending on the route and can be adjusted to the route.

11. (New) Mobile route monitoring unit according to Claim 10, wherein the transmitter communicates by a GSM network voice channel.

12. (New) Mobile route monitoring unit according to Claim 10, further comprising a data reception device to receive preset route data.

13. (New) Mobile route monitoring unit according to Claim 12, wherein the data reception device includes a reader configured to read data from a changeable storage medium.

14. (New) Mobile route monitoring unit according to Claim 12, wherein the data reception device includes a receiver configured to communicate by a voice channel of a GSM network.

15. (New) Mobile route monitoring unit according to Claim 10, further comprising an input to receive preset route data.

16. (New) Mobile route monitoring unit according to Claim 10, wherein the position sensor includes a GPS receiver.

17. (New) Mobile route monitoring unit according to Claim 10, wherein the stored route data can be changed at any time.

18. (New) Route monitoring system, comprising:

